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1647  
PATENT  
Attorney Reference Number 4239-61302

TECH CENTER 1500/2900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Re application of: Wolfram and Letterio

Art Unit: 1647

Application No. 10/017,372

Filed: October 19, 2001

For: FUNCTIONALIZED TGF-BETA FUSION  
PROTEINS

Examiner: Christopher J. Nichols, Ph.D.

Date: March 24, 2003

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service on March 24, 2003, as First Class Mail in an envelope addressed to: U.S. PATENT AND TRADEMARK OFFICE, BOX SEQUENCE, PO BOX 2327, ARLINGTON, VA 22202.

Tanya M. Harding, Ph.D.  
Attorney for Applicants

TRANSMITTAL LETTER

U.S. PATENT AND TRADEMARK OFFICE  
BOX SEQUENCE  
PO BOX 2327  
ARLINGTON, VA 22202

Enclosed for filing in the application referenced above are the following:

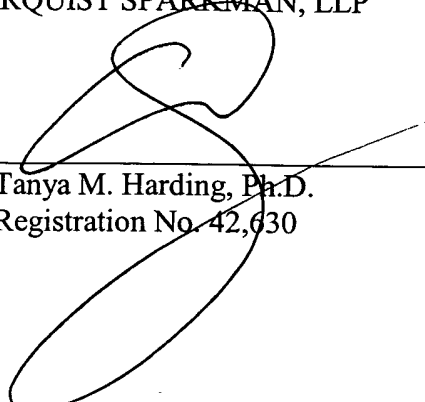
- ☒ Copy of Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures
- ☒ Response to Notice to Comply with Requirements for Sequence Disclosures
- ☒ Replacement Sequence Listing
  - ☒ Computer Readable Copy
  - ☒ Paper Copy (identical to computer copy), 60 pages
  - ☒ Statement in compliance with 37 C.F.R. § 1.821 verifying identity of computer-readable and paper copies (included in Response)
- ☒ The Director is hereby authorized to charge any additional fees that may be required, or credit over-payment, to Deposit Account No. 02-4550. A copy of this sheet is enclosed.

☒ Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By



Tanya M. Harding, Ph.D.  
Registration No. 42,630

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Telephone: (503) 226-7391  
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cc: Docketing

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In re Application of: Wolfram and Letterio

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Tanya M. Harding, Ph.D.  
Attorney for Applicants

U.S. PATENT AND TRADEMARK OFFICE  
BOX SEQUENCE  
PO BOX 2327  
ARLINGTON, VA 22202

**RESPONSE TO NOTICE TO COMPLY WITH  
REQUIREMENTS FOR SEQUENCE DISCLOSURES**

This is filed in response to the Notice to Comply with Requirement for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures (Paper No. 12), dated March 4, 2003. A one-month period for response was set, making the response due on or before April 4, 2003. The Commissioner is authorized to charge any fees that may be required to the deposit account referenced on the accompanying transmittal letter.

Please enter the following amendments in this application:

**In the Sequence Listing:**

Please replace the current Sequence Listing with the enclosed replacement Sequence Listing.

**REMARKS**

Applicants submit herewith a replacement electronic copy (diskette) of the Sequence Listing, and a corresponding paper copy (60 pages). In compliance with 37 C.F.R. § 1.821(f), the undersigned declares that the nucleotide sequences presented in the paper copy of the

Sequence Listing submitted herewith are the same as the sequences contained in the computer-readable form of the Sequence Listing.

In conformance with the Raw Sequence Listing Error Report, Applicants have (i) replaced the Artificial Sequence descriptors (Field <223>) for SEQ ID NOs: 8-17, 20, 21, and 24-39; and (ii) completed the "blank" <223> fields for SEQ ID NOs: 8, 12, 16, 20, 24, 26, 28, 30, 32, 34, 36, and 38. No new matter is introduced by these corrections.

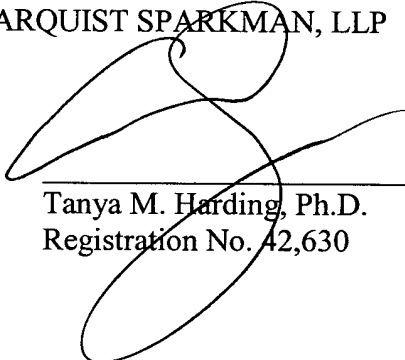
### CONCLUSIONS

It is respectfully submitted that the application is in condition for substantive examination. If any minor matters remain prior to examination, the Examiner is invited to call the undersigned at the telephone number listed below.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

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